

Mich.; 27th at St. Louis and other points in Missouri and Illinois, and on the 28th in eastern Pennsylvania.

The record follows:

11th.—A tornado was observed in Rice County, Kans., but it was not of great violence and passed over only a small portion of the county; no one was killed, and the property loss was quite small. On the same date a tornado was reported in Worthington, Minn. The storm was not severe and no lives were lost. The damage to buildings was about \$2,000.

12th.—Tornadoes of little violence occurred at widely separated points on the afternoon of this date. The most northerly storm occurred in the vicinity of Elkhorn, Nebr. Little damage was done. Mr. Carl Johnson, a farmer, was caught in the vortex and carried about 150 yards from the point where the storm first struck him. He escaped serious injury. Later in the day a storm of wind passed over Lincoln, Nebr., injuring 4 persons and damaging property to the extent of \$5,000 or \$6,000. A tornado occurred 5 miles north of Sterling, Kans., injuring 3 persons and destroying a number of houses. On the same afternoon two tornadoes occurred in northern-central Texas, one in Dallas County, near Lawrence, the other in the northwestern part of Navarro County, near Mestens and Frost; there was no loss of life, and the property loss did not exceed \$3,000.

15th.—A very destructive series of tornadoes occurred in Denton and Grayson counties, Tex., on the afternoon of this date; 61 people were killed at Sherman, and 150 injured; 3 were killed at Gribble Springs, 2 at Justin, and 12 at Howe and vicinity. The property loss is variously estimated at from \$150,000 to \$200,000.

On the same date 1 person was killed by a tornado at Moundridge, Kans., and 5 others were injured.

16th.—Sherrard, Ill., was visited by a strong wind in the afternoon of this date. An unfinished church was blown down killing 1 man and injuring others. The damage to property aggregated \$15,000.

17th.—A tornado passed over the northwestern corner of Graves and Marshall counties, Ky., on this date, destroying the residence of Anderson Jones, at Elva, and killing the entire family of 5 persons.

On the same date a series of very destructive tornadoes passed through the northeastern part of Kansas and southeastern Nebraska, crossed the Missouri River near Rulo, Nebr., and disappeared in Missouri. The formation was first observed south of Barnes, Washington County, Kans., about 4.30 p. m. Its motion was reported as being southeasterly to Irving in Marshall County, thence northeasterly to Frankfort. At the last-named place, although 40 dwellings were either razed to the ground or badly damaged, no one was killed, the people having fled to caves and cellars on the approach of the tornado.

From Frankfort the tornado's course was northeasterly, passing through the towns of Baileyville, Seneca, Oneida, Sabetha, and Reserve, Kans., and Falls City, Nebr. The storm's course in Missouri does not seem to have been marked

by loss of life or destruction of property. Twenty-five lives were lost in Kansas and Nebraska, and 73 injured. It is estimated that the damage to property will not fall far short of \$300,000.

19th.—A very severe thunderstorm passed over Eldon, Mo.; 9 people were injured, and the loss to property was estimated at \$40,000. On the same date a tornado passed through Rock County, Kans. The loss of property was about \$3,000.

20th.—Tornadoes were reported from three different sections of Kansas, viz: the southern end of Lyon County, 7 miles south of Emporia; at Maple Hill, about 15 miles north of Topeka, in Cowley County, and also in the eastern portion of Kay County, Cherokee Strip. No lives were lost and the property loss was small.

24–25th.—Severe storms, in some places assuming the character of tornadoes, visited Iowa on the night of the 24th and the morning of the 25th, and northern Illinois in the early morning of May 25, 1896. The greatest destruction was in Polk and Jasper counties, Iowa, and near Chicago, Ill. An independent series of tornadoes also occurred in Oakland, Macomb, and Lapeer counties, Mich; 19 people were killed in Iowa; 8 in Illinois, and 47 in Michigan. The number injured is unknown. The property loss in Iowa was about \$75,000; in northern Illinois, about \$15,000; near Chicago, about \$80,000, and in Michigan, nearly \$400,000. A tornado was observed west of Bangor, S. Dak., on the 25th. The property loss was small and no one was injured.

26th.—A tornado occurred at Wickliffe, Ky. No one was hurt and the damage was not great.

27th.—The St. Louis tornado and the violent storms in portions of Missouri and Illinois on this date form the subject of a separate article (see page 77).

28th.—A series of tornadoes occurred throughout eastern Pennsylvania and in New Jersey on this date; 1 person was killed at Columbia, Pa., and 20 were injured; 4 were killed in Montgomery and Bucks counties, Pa., and 4 injured.

Further details are awaited respecting tornadoes in Oklahoma and a few other points.

Recapitulation for May (the storms of May 27 at St. Louis and other points in Missouri and Illinois being given separately):

Number of tornadoes.....	24
Number of lives lost.....	209
Number of persons injured.....	Unknown.
Property loss (estimated).....	\$888,158
May 27 and 28.....	13,004,900
Total .....	\$13,893,058
Loss of life by the tornadoes of May 27 at St. Louis and at other points in Missouri and Illinois.....	306
Total deaths by windstorms .....	515
Losses of life by drowning during the month not directly chargeable to tornadoes .....	61
Losses of life by lightning.....	65
Grand total.....	641

METEOROLOGICAL TABLES.

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For text descriptive of these tables see p. 46.

TABLE I.—Climatological data for Weather Bureau Stations, March, 1896.

Table with columns: Stations, Elevation above sea-level, Length of record, Pressure in inches, Temperature of the air in degrees Fahrenheit, Humidity and precipitation, Wind, and Monthly temperature data since opening station. Rows include stations like New England, Mid. Atl. States, S. Atlantic States, Florida Peninsula, East Gulf States, West Gulf States, Ohio Val. & Tenn., Lower Lake Region, Upper Lake Region, North Dakota, and Upper Miss. Valley.

TABLE I.—Climatological data for Weather Bureau Stations, March, 1896—Continued.

Table with columns: Stations, Elevation, Length of record, Pressure, Temperature of the air, Humidity and precipitation, Wind, and Monthly temperature data. Rows include stations like Hannibal, St. Louis, Columbia, Kansas City, Springfield, Mo., Topeka, Omaha, Sioux City, Huron, Northern Slope, Middle Slope, Southern Slope, Southern Plateau, Middle Plateau, Northern Plateau, N. Pac. Coast Reg., and Mid. Pac. Coast Reg.

NOTE.—The data at stations having no departures are not used in computing the district averages. Letters of the alphabet denote number of days missing from the record.

\* Two or more directions, dates, or years. \*\* All pressure, dew-point, and humidity values for 23 1/2 days only, remainder of data for 31 days.

TABLE II.—Meteorological record of voluntary and other cooperating observers, March, 1896.

Table with 15 columns: Stations, Temperature (Fahrenheit) (Maximum, Minimum, Mean), Precipitation (Rain and melted snow, Total depth of snow), Stations, Temperature (Fahrenheit) (Maximum, Minimum, Mean), Precipitation (Rain and melted snow, Total depth of snow), Stations, Temperature (Fahrenheit) (Maximum, Minimum, Mean), Precipitation (Rain and melted snow, Total depth of snow). Rows are organized by state: Alabama, Arizona, California, Alaska, and Arizona (repeated).

TABLE II.—Meteorological record of voluntary and other cooperating observers—Continued.

Table with 15 columns: Stations, Temperature (Fahrenheit) (Maximum, Minimum, Mean), Precipitation (Rain and melted snow, Total depth of snow). The table is divided into three main sections: California, Colorado, and District of Columbia. Each section lists numerous stations with their corresponding weather data for March 1896.

TABLE II.—Meteorological record of voluntary and other cooperating observers—Continued.

Table with 12 columns: Stations, Temperature (Fahrenheit), Precipitation, Stations, Temperature (Fahrenheit), Precipitation, Stations, Temperature (Fahrenheit), Precipitation. Rows include Idaho, Illinois, Indiana, Iowa, and Kansas stations.

TABLE II.—Meteorological record of voluntary and other cooperating observers—Continued.

Temperature. (Fahrenheit.)					Precipitation.		Temperature. (Fahrenheit.)					Precipitation.		Temperature. (Fahrenheit.)					Precipitation.					
Stations.	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	Stations.	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	Stations.	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	Stations.	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	
																								Ins.
<b>Kansas—Cont'd.</b>						<b>Kentucky—Cont'd.</b>						<b>Maine—Cont'd.</b>												
Baker	76	36.8	0.63	1.4	Earlington	67	20	42.2	4.69	1.5	Petit Menan*1	40	15	27.2				Portland	43	4	27.0			29.1
Beloit†	75	34.6	0.66	6.5	Edmonton†	15	15	42.8	7.56	1.5	Portland	43	4	27.0				West Jonesport*1	55	5	27.4	6.24	10.0	
Blaine	76	35.4	0.82	4.2	Eubank	70	14	41.7	8.09	4.0	Winslow	67	30	34.5	4.53									
Burlington†	76	42.1	0.97	4.5	Falmouth†	71	15	42.4	3.68	2.0														
Campbell	76	34.6	1.05	7.8	Fords Ferry†	69	15	40.2	6.35	10.0														
Colby†	81	35.7	0.43		Frankfort†	73	15	44.5	9.66	10.0														
Coldwater†	86	41.4	0.20	1.0	Franklin*1	69	15	40.2	6.35	10.0														
Collyer*5			0.35	3.5	Greentown	67	14	39.0																
Columbus†	79	41.4	1.40	3.1	Greendale*1	67	13	38.1	8.42	16.4														
Concordia			0.30	10.0	Greensburg*1†	70	17	41.6	6.90	0.8														
Coolidge†	83	40.8	0.20	2.0	Harrods Creek†	70	16	42.0	3.95															
Cunningham†	84	39.8	0.33	T.	Leitchfield†	73	9	39.3	5.47	4.2														
Dodge City			1.14	12.0	Lexington					16.3														
Downs			0.90	8.0	Louisa†a	73	13	38.2	4.82	8.0														
Dresden*†	78	35.4	1.44	4.2	Louisa†b	74	20	42.6		8.0														
Effingham	80	38.5	1.44		Louisville					14.0														
Eldorado†	78	41.8	3.60		Marrowbone†	80	15	42.0	8.81	2.5														
Elgin*1	80	42.0	1.35	3.0	Maysville*1	80	15	39.4																
Ellinwood*3	87	34.4	0.57	3.5	Middlesboro	70	14	41.8	9.74	0.5														
Emporia†	75	40.6	0.65	5.0	Mount Sterling†	67	12	37.6	5.96															
Englewood†	90	42.0	0.11	0.2	Owenton†	68	15	37.6	5.11	18.2														
Eureka†			0.94	T.	Paducah†a	72	20	44.4	4.91	1.0														
Eureka Ranch†	90	36.6	0.55	5.0	Paducah†b	73	20	44.4	4.91															
Fort Riley†	78	38.4	0.33	1.2	Pleasure Ridge Park†	70	13	38.9	4.40	18.6														
Fort Scott	79	39.0	0.72	5.0	Princeton†	72	17	42.0																
Frankfort	79	39.0	1.10	8.5	Pryorsburg†	80	17	45.8	7.41															
Garden City	87	41.0	0.05	0.5	Richmond	70	10	41.6	5.70	12.0														
Garfield	78	40.2	1.14	0.4	Russellville†	75	17	44.2	7.95	0.5														
Girard*1	78	36.4	1.57	3.0	St. John	70	15	39.5	4.92	4.5														
Goodland†	79	36.4	0.65	6.5	Sandyhook†	71	8	39.1	6.69	12.0														
Gove*†	79	35.8	0.45	4.5	Shelby City*1	77	17	40.9	6.08	4.0														
Grainfield*6	80	34.0	0.20	2.0	Shelbyville†	69	13	38.8	4.03	11.8														
Greensburg*†	87	41.8	T.	T.	Southfork†	67	14	40.7	6.66	7.0														
Grenola*1	78	40.7	0.30	2.0	Springfield†	67	14	39.6	5.41	20.4														
Halstead	74	37.1	1.16	3.5	Williamsville†				9.90															
Hays†	90	39.3	0.45	4.5	<b>Louisiana.</b>																			
Horton†	75	37.0	0.68	3.0	Abbeville	80	32	60.4	4.45															
Hutchinson†	82	41.8	1.15	4.5	Alexandria†	84	29	58.2	3.64															
Independence†	79	43.1	1.84	1.8	Amite†	86	32	58.2	8.01															
Jaqua†	82	39.3	0.63	6.5	Bastrop†	87	26	55.6	4.31															
Lawrence	76	39.2	0.62	2.1	Baton Rouge†	85	24	58.6	4.55															
Lebo†	80	40.8	0.98	2.0	Calhoun†	86	27	54.4	4.64															
Lyons	84	42.4	0.72		Cameron†	81	21	43.1	4.31															
Macksville†	75	39.0	T.	T.	Cheneyville†	83	30	56.6	3.54															
McPherson†	77	36.4	0.51	0.2	Coushatta†b	83	27	56.2	4.06															
Manhattan a	81	38.5	0.87	4.6	Davis	82	23	54.2	4.16															
Manhattan b			0.85	5.0	Donaldsonville†	85	39	60.8	4.25															
Marion†	78	39.1	1.05	3.0	Elm Hall	86	30	59.3																
Mead†	88	46.0	0.05	0.5	Emilie†	84	34	60.1	4.14															
Medicine Lodge†	85	42.2	0.78	1.5	Farmerville	82	35	52.2	4.85															
Minneapolis†	82	37.2	0.61	2.2	Franklin†	81	39	60.2	2.81															
Morantown†	78	40.8	1.16	3.5	Grand Coteau	82	36	61.0	4.85															
Morland	85	35.7	0.62	6.2	Hammond†	80	29	58.8	6.08															
Morton†	87	42.8	0.10	1.0	Houma	84	34	62.4	4.50															
Mounthope*1	79	41.5	1.26	4.0	Jeanerette†	82	31	61.9	3.26															
Ness City†	87	40.0	0.38	2.8	Lafayette†	80	30	60.4	4.59															
New England Ranch†	83	35.8	0.06	1.0	Lake Charles†	80	37	61.6	4.17															
Norton	84	32.1	0.70	7.0	Lake Providence	82	32	61.6	4.52															
Norwich*1	80	41.4	1.62	2.5	Liberty Hill	90	24	56.8	4.98															
Oberlin†			0.90	9.0	Maurepas	88	39	59.8	4.14															
Olathe†	76	39.8	1.90	3.0	Melville†	84	31	59.6	9.00															
Oswego†	84	44.4	1.31	4.0	Monroe†	80	29	55.6	4.51															
Ottawa†	20		1.19	3.0	Natchitoches	81	27	56.2	2.98															
Paola†	79	40.2	0.60	1.0	New Iberia	78	33	60.1	3.50															
Phillipsburg	70	34.0	1.00	10.0	Oakridge†	84	26	55.5	5.27															
Pleasant Dale†	90	36.9	0.85	4.0	Oberlin	81	29	56.6	5.80															
Pratt†	83	39.6	0.57		Opelousas†	84	29	58.0	5.15															
Rome*†	80	41.9	1.04	1.0	Oxford†	85	25	56.6	4.05															
Russell†	90	39.6	0.64	6.5	Faircourtville†	86	33	62.0	3.39															
Salina†	82	37.7	0.87	2.8	Plain Dealing†	83	27	53.8	4.96															
Scott City†	89	38.8	0.58	5.6	Rayne†	84	30	58.7	6.39															
Sedan†	80	43.8	1.55	2.3	Ruston†	85	28	57.2	4.63															
Sharon Springs*1	85	37.7	0.75	7.5	Schriever†	85	27	58.4	3.11															
Topeka			0.50	2.6	Shellbeach	86	36	58.4	5.63															
Tribune†			0.30	2.0	Southern University†	78	37	59.5	4.75															
Ulysses†	88	39.8	1.19	12.0	Sugar Ex. Station†	82	37	60.3	6.13															
Wakefield*1	80	38.4	0.32	7.3	Sugartown†	82	32	60.0	4.82															
Wallace	80	40.2	0.32	4.2	Thibodeaux	84	34	64.6	2.25															
Wamego*1	78	38.1	0.65	4.2	Ven																			

TABLE II.—Meteorological record of voluntary and other cooperating observers—Continued.

Table with 16 columns: Stations, Temperature (Fahrenheit) (Maximum, Minimum, Mean), Precipitation (Rain and melted snow, Total depth of snow). Rows are organized by state: Massachusetts, Michigan, Minnesota, Mississippi, and Missouri.

TABLE II.—*Meteorological record of voluntary and other cooperating observers—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precipitation.		Stations.	Temperature. (Fahrenheit.)			Precipitation.		Stations.	Temperature. (Fahrenheit.)			Precipitation.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Missouri—Cont'd.</i>						<i>Montana—Cont'd.</i>						<i>Nebraska—Cont'd.</i>					
McCune* <sup>1</sup> .....	75	9	37.9	1.46	5.5	White Sulphur Springs†	69	-22	28.2	0.46	4.0	Plattsmouth a†	.....	.....	.....	2.15	18.0
Macomb.....	.....	.....	.....	1.85	3.5	Wibaux†	76	-18	28.2	0.40	4.0	Plattsmouth b.....	.....	.....	.....	2.00	17.0
Mansfield.....	.....	.....	.....	2.47	2.5	Yale†	65	-26	28.6	0.71	6.0	Potter* <sup>1</sup> .....	72	-10	29.4	.....	24.0
Marblehill.....	71	18	41.4	3.96	2.7	<i>Nebraska.</i>						Ravenna a.....	72	-10	30.5	1.67	13.5
Marceline.....	77	8	35.9	0.90	2.0	Agree* <sup>1</sup> .....	75	-2	28.1	1.04	.....	Ravenna b* <sup>1</sup> .....	82	-4	34.3	1.30	13.0
Marshall†	80	11	36.8	0.87	5.0	Albion.....	63	-3	29.2	0.90	9.0	Redcloud a.....	76	-4	35.4	0.94	10.2
Maryville* <sup>4</sup> .....	73	5	30.6	1.49	4.6	Alliance.....	.....	.....	.....	2.10	21.0	Redcloud b* <sup>1</sup> .....	84	-6	33.8	1.55	17.0
Mexico†	80	10	38.0	1.62	6.5	Ansley†	82	-9	28.2	1.95	19.5	Republican* <sup>1</sup> .....	76	-4	35.4	1.04	10.4
Miami.....	.....	.....	.....	1.30	8.0	Arapahoe.....	.....	.....	.....	0.50	5.0	Rulo* <sup>1</sup> .....	74	16	38.9	0.95	4.5
Mine La Motte†	74	11	41.2	3.59	8.5	Arberville* <sup>1</sup> .....	76	-4	28.7	1.45	12.0	St. Paul.....	80	-6	32.6	0.96	9.2
Mineralspring.....	80	14	45.2	2.33	4.2	Ashland a†	71	0	31.8	0.98	10.5	Salem* <sup>1</sup> .....	72	16	35.0	1.10	3.0
Mount Vernon.....	78	12	37.0	2.10	3.0	Ashland b* <sup>1</sup> .....	70	6	33.1	1.08	10.0	Santee Agency†	69	-4	29.1	1.23	7.8
Neosho.....	81	10	43.6	2.37	2.5	Ashton.....	80	-2	29.9	0.66	13.0	Sargent.....	.....	.....	.....	0.91	.....
Nevada.....	.....	.....	.....	2.05	3.0	Auburn* <sup>1</sup> .....	73	8	36.0	2.49	12.5	Schuyler.....	72	.....	.....	0.84	7.0
New Haven* <sup>1</sup> .....	76	20	44.2	1.42	6.0	Aurora* <sup>1</sup> .....	73	-2	31.0	0.69	.....	Seneca* <sup>1</sup> .....	72	0	32.2	1.40	14.0
New Madrid.....	68	22	46.0	6.70	2.0	Bassett.....	73	-11	28.4	2.20	19.0	Seward* <sup>6</sup> .....	75	-1	33.6	1.75	14.0
New Palestine* <sup>1</sup> .....	77	22	45.7	1.38	5.5	Beatrice†	75	0	32.8	1.30	13.0	Springview.....	76	-7	28.6	1.01	9.4
Oakfield†	77	14	40.3	1.83	11.8	Beaver City†	85	-2	35.0	0.56	7.5	Stanton* <sup>1</sup> .....	59	-1	28.9	0.98	7.8
Oakmound.....	.....	.....	.....	2.27	2.0	Benkelman* <sup>1</sup> .....	90	10	36.6	0.70	7.0	Stark* <sup>1</sup> .....	85	5	31.6	1.20	12.0
Oakridge* <sup>4</sup> .....	20	41.8	4.57	11.2	11.8	Benhill* <sup>1</sup> .....	82	-1	32.9	2.07	19.5	Strang* <sup>1</sup> .....	76	-4	34.2	1.30	13.0
Olden.....	75	16	41.9	2.46	2.4	Bratton* <sup>1</sup> .....	72	-6	33.2	2.52	10.0	Stratton.....	76	.....	.....	0.50	.....
Oregon a.....	78	8	38.0	1.70	4.4	Brokenbow* <sup>1</sup> .....	75	-6	31.5	2.45	24.5	Stromburg.....	.....	.....	.....	0.48	.....
Oregon b* <sup>1</sup> .....	78	6	35.6	1.66	3.7	Burwell* <sup>1</sup> .....	60	0	30.7	1.85	14.5	Superior* <sup>6</sup> .....	79	0	33.2	1.80	15.5
Osecola†	.....	.....	.....	2.15	6.0	Central City* <sup>6</sup> .....	62	9	33.3	1.30	13.0	Sutton.....	77	-8	29.6	3.83	20.6
Oto.....	.....	.....	.....	2.50	3.0	Chester* <sup>1</sup> .....	75	0	32.4	1.65	15.5	Syracuse.....	.....	.....	.....	1.37	.....
Palmyra* <sup>6</sup> .....	80	16	37.8	1.65	7.0	Columbus†	69	-1	31.9	0.48	7.0	Tecumseh a†	76	2	34.4	2.77	16.5
Phillipsburg* <sup>1</sup> .....	78	12	38.8	2.37	9.1	Cook.....	65	-4	34.2	4.07	12.0	Tecumseh b.....	.....	.....	.....	2.25	14.0
Pickering* <sup>6</sup> .....	77	8	34.2	3.05	10.2	Corlea.....	.....	.....	.....	0.80	7.5	Tekamah.....	71	-1	30.8	1.26	12.5
Platte River* <sup>3</sup> .....	76	8	33.4	1.10	5.0	Creighton* <sup>1</sup> .....	65	-4	27.8	0.48	1.0	Theford* <sup>1</sup> .....	80	-10	30.3	1.82	18.2
Poplarbluff.....	80	17	44.6	3.99	.....	Crete.....	73	-4	32.4	2.45	18.3	Turlington†	70	2	31.6	2.08	13.3
Potosi.....	75	5	38.0	3.83	18.0	Curlbertson.....	.....	.....	.....	0.57	8.5	Wakefield.....	.....	.....	.....	0.98	8.8
Princeton* <sup>1</sup> .....	78	5	36.0	0.79	1.0	Curtis a†	79	4	34.0	2.20	24.0	Wallace* <sup>1</sup> .....	80	6	26.8	2.60	26.0
Rhineland.....	79	8	39.4	1.59	7.6	Curtis b.....	.....	.....	.....	1.90	19.0	Weeping Water* <sup>1</sup> .....	70	-4	32.7	1.51	13.5
Richmond* <sup>3</sup> .....	78	10	35.4	0.52	2.0	David City* <sup>1</sup> .....	64	4	30.2	2.70	11.0	Wesner.....	.....	.....	.....	1.08	.....
Rolla.....	.....	.....	.....	2.99	6.9	Divide* <sup>1</sup> .....	80	2	31.2	0.76	11.5	Whitman* <sup>1</sup> .....	70	-14	23.6	1.20	12.0
St. Charles.....	74	15	39.8	2.23	10.0	Dunning* <sup>1</sup> .....	82	-7	30.9	1.85	18.5	Wilber* <sup>1</sup> .....	73	0	35.5	1.32	9.5
St. Joseph†	.....	.....	.....	0.83	2.0	Edgar* <sup>1</sup> .....	76	3	32.4	2.35	22.0	Wilsonville* <sup>1</sup> .....	82	2	33.8	0.35	3.5
St. Louis.....	73	15	38.7	2.04	6.4	Ericson* <sup>1</sup> .....	60	1	29.2	1.10	11.0	Woodlawn.....	.....	.....	.....	0.96	.....
St. Louis (W. B.).....	.....	.....	.....	6.6	.....	Ewing.....	.....	.....	.....	1.40	9.0	York* <sup>1</sup> .....	72	-5	35.2	1.94	16.0
Sarcoxi* <sup>3</sup> .....	82	13	39.0	2.90	4.9	Fairbury†	72	-4	35.5	0.45	8.5	<i>Nevada.</i>					
Shelbina.....	.....	.....	.....	1.15	1.5	Fairmont* <sup>1</sup> .....	71	-1	33.4	1.97	18.2	Austin.....	62	5	34.8	1.30	6.2
Sikeston.....	73	21	44.4	5.63	1.0	Fort Robinson.....	75	-16	31.9	1.50	12.0	Battle Mountain* <sup>1</sup> .....	73	18	40.7	0.85	1.5
Springfield.....	.....	.....	.....	8.5	.....	Franklin†	83	8	33.6	0.85	8.5	Belmont.....	63	5	34.2	0.85	5.0
Steffenville.....	.....	.....	.....	0.76	2.5	Geneva†	77	-7	32.2	1.56	15.5	Beowawe* <sup>1</sup> .....	73	10	38.4	0.85	1.5
Stellada†	81	10	39.8	1.74	8.0	Genoa†	68	-3	29.4	0.54	6.8	Candelaria.....	76	10	42.8	0.37	4.8
Sublett.....	76	5	35.0	0.70	3.0	Gering†	77	-17	29.0	1.50	13.5	Carlin* <sup>1</sup> .....	67	-4	32.2	0.98	4.5
Tindall.....	.....	.....	.....	0.84	3.0	Gibson.....	80	-8	30.9	1.70	20.0	Carson City.....	68	13	40.9	2.23	3.8
Trenton.....	74	7	35.9	1.75	3.5	Grand Island a* <sup>1</sup> .....	82	-4	33.0	2.72	20.7	Carson City (W. B.).....	.....	.....	.....	4.2	.....
Unionville†	70	2	31.0	0.93	4.8	Grand Island b.....	81	-2	31.2	1.43	19.6	Cloverdale* <sup>1</sup> .....	70	16	42.1	0.75	7.0
Virgil City.....	.....	.....	.....	1.68	4.2	Greely.....	.....	.....	.....	1.20	8.5	Clover Valley†	.....	.....	.....	3.26	17.0
Warrensburg* <sup>1</sup> .....	80	14	41.1	0.99	8.0	Haiger* <sup>1</sup> .....	76	10	37.0	0.85	8.5	Cranes Ranch.....	.....	.....	.....	0.70	2.0
Warrenton.....	76	12	37.8	1.68	7.0	Harrington†	63	-6	26.4	1.67	9.5	Darrowh Ranch.....	.....	.....	.....	0.70	2.0
Wheatland.....	.....	.....	.....	2.28	7.2	Harvard* <sup>1</sup> .....	77	0	30.6	1.45	12.5	Downeyville.....	78	15	46.0	0.83	3.0
Willow Springs.....	76	11	42.7	2.63	2.2	Hastings* <sup>1</sup> .....	78	-4	28.9	1.69	21.0	Elko* <sup>2</sup> .....	68	-2	35.7	3.75	19.0
Zeltonia* <sup>1</sup> .....	79	16	48.4	2.28	2.6	Hays Center.....	.....	.....	.....	1.30	12.0	Ely.....	68	-12	34.0	1.00	8.0
<i>Montana.</i>						Hay Springs†	75	-19	26.3	2.30	19.0	Empire Ranch†	66	0	34.4	0.39	5.0
Agricultural College.....	58	-15	28.6	0.87	.....	Hickman* <sup>6</sup> .....	76	-8	33.2	1.03	11.0	Fenelon* <sup>1</sup> .....	64	-3	31.6	2.60	17.5
Big Timber†	67	-13	32.4	2.13	19.0	Imperial b* <sup>1</sup> .....	74	0	34.2	0.80	8.0	Golconda* <sup>6</sup> .....	70	12	40.4	1.02	3.2
Billings†	70	-16	36.6	0.80	8.0	Indiana* <sup>6</sup> .....	82	8	34.8	1.00	10.0	Halleck* <sup>8</sup> .....	70	-5	35.5	2.82	11.5
Bozeman†	63	-16	28.7	1.05	7.0	Indianola* <sup>6</sup> .....	70	0	29.2	2.10	21.0	Hamilton.....	74	-12	28.0	1.87	13.8
Butte†	57	-21	25.7	0.32	6.4	Kenedy†	78	-11	26.9	1.95	18.0	Hawthorne a* <sup>8</sup> .....	74	20	45.7	0.26	1.0
Chinook.....	43	-29	22.7	0.20	2.0	Kirkwood* <sup>1</sup> .....	75	-5	24.2	2.25	17.0	Hawthorne b.....	76	18	43.6	0.16	1.0
Choteau†	63	-23	25.8	1.30	13.0	Lexington†	81	-14	31.6	2.06	19.5	Hot Springs* <sup>1</sup> .....	73	18	43.7	1.12	.....
Columbia Falls†	65	-19	29.2	1.99	12.7	Lincoln.....	72	0	33.8	0.98	8.0	Humboldt* <sup>1</sup> .....	73	10	40.3	1.45	7.0
Columbia Falls†	58	-12	31.4	0.54	5.4	Lodgepole.....	75	-15	30.7	2.80	28.0	Los Vegas.....	81	16	49.2	0.36	T.
Deer Lodge†	68	-20	27.8	0.86	4.4	Loup a* <sup>1</sup> .....	75	-2	31.8	0.99	11.5	Lewers Ranch.....	68	13	41.2	3.99	10.5
Dillon†	60	-26	27.0	0.60	6.0	Loup b* <sup>1</sup> .....	78	0	31.8	1.14	13.0	Lovelock* <sup>8</sup> .....	76	23	47.7	0.46	3.5
Fort Benton†	67	-25	28.8	0.16	.....	Lyons.....	75	-2	28.0	1.13	8.2	Mill City* <sup>6</sup> .....	72	10	40.2	0.75	1.0
Fort Custer†	69																

TABLE II.—Meteorological record of voluntary and other cooperating observers—Continued.

Table with 12 columns: Stations, Temperature (Fahrenheit), Precipitation, Stations, Temperature (Fahrenheit), Precipitation, Stations, Temperature (Fahrenheit), Precipitation. Rows include stations from New Hampshire, New Jersey, New Mexico, New York, and North Dakota.

TABLE II.—Meteorological record of voluntary and other cooperating observers—Continued.

Table with 12 columns: Stations, Temperature (Fahrenheit), Precipitation, Stations, Temperature (Fahrenheit), Precipitation, Stations, Temperature (Fahrenheit), Precipitation. Rows include North Dakota, Ohio, and Oregon stations with their respective weather data.

TABLE II.—Meteorological record of voluntary and other cooperating observers—Continued.

Table with 15 columns: Stations, Temperature (Fahrenheit) (Maximum, Minimum, Mean), Precipitation (Rain and melted snow, Total depth of snow). The table is divided into three sections: Pennsylvania-Cont'd, South Carolina-Cont'd, and Tennessee-Cont'd. Each section lists various locations and their corresponding weather data for the month of March 1896.

TABLE II.—Meteorological record of voluntary and other cooperating observers—Continued.

Table with multiple columns for Stations, Temperature (Fahrenheit), and Precipitation. It is divided into sections for Utah, Virginia, West Virginia, Wisconsin, Vermont, Wyoming, and New Brunswick. Each section lists various locations and their corresponding weather data for the month of March 1896.

EXPLANATION OF SIGNS.

\* Extremes of temperature from observed readings of dry thermometer.
† Weather Bureau instruments.
‡ Record furnished by the Arrowhead Reservoir Company, in the San Bernardino Mountains, San Bernardino County, Cal., at elevations varying from 4,900 to 6,900 feet.

TABLE III.—Data from Canadian stations for the month of March, 1896.

Table with 9 columns: Stations, Pressure (Mean not reduced, Mean reduced, Departure from normal), Temperature (Mean, Departure from normal), Precipitation (Total, Departure from normal), Prevailing direction of wind, Total depth of snow. Rows include St. Johns, N. F., Sydney, C. B. I., Grindstone, G. St. L., Sandy Point, Halifax, N. S., Grand Manan, N. B., Yarmouth, N. S., St. Andrews, N. B., Charlottetown, P. E. I., Chatham, N. B., Father Point, Que., Quebec, Que., Montreal, Que., Rockliffe, Ont., Kingston, Ont., Toronto, Ont., White River, Ont., Port Stanley, Ont.

TABLE III.—Data from Canadian stations—Continued.

Table with 9 columns: Stations, Pressure (Mean not reduced, Mean reduced, Departure from normal), Temperature (Mean, Departure from normal), Precipitation (Total, Departure from normal), Prevailing direction of wind, Total depth of snow. Rows include Saugeen, Ont., Parry Sound, Ont., Port Arthur, Ont., Winnipeg, Man., Minnedosa, Man., Qu'Appelle, Assin., Swift Curr't, Assin., Medicine Hat, Assin., Prince Albert, Sask., Edmonton, Alberta., Battleford, Sask., Spences Br'ge, B. C., Hamilton, Bermuda, Banff, Alberta., Esquimalt, B. C., Ottawa, Ont.

TABLE IV.—Meteorological observations at Honolulu, Republic of Hawaii, by Curtis J. Lyons, Meteorologist to the Government Survey.

Pressure is corrected for temperature and reduced to sea level, but the gravity correction, —0.06, is still to be applied. The absolute humidity is expressed in grains of water, per cubic foot, and is the average of four observations daily. The average direction and force of the wind and the average cloudiness for the whole day are given unless they have varied more than usual, in which case the extremes are given. The scale of wind force is 0 to 10. Two directions of wind, connected by a dash, indicate change from one to the other; also same for force. The rainfall for twenty-four hours is given as measured at 6 a. m. on the respective dates.

Table with 12 columns: March, 1896, Pressure at sea level (9 a. m., 3 p. m., 9 p. m.), Temperature (6 a. m., 2 p. m., 9 p. m., Maximum, Minimum), Humidity (Relative, Absolute), Wind (Direction, Force), Cloudiness, Rain measured at 6 a. m. Rows 1-15.

TABLE IV.—Meteorological observations at Honolulu—Continued.

Table with 12 columns: March, 1896, Pressure at sea level (9 a. m., 3 p. m., 9 p. m.), Temperature (6 a. m., 2 p. m., 9 p. m., Maximum, Minimum), Humidity (Relative, Absolute), Wind (Direction, Force), Cloudiness, Rain measured at 6 a. m. Rows 16-31.

Mean temperature: 6+2+9+3 is 69.5; the normal is 71.0; extreme temperatures, 81° and 59°. A thunderstorm from the west occurred on the 2d at 4 p. m. Lunar halos occurred on the 18th and 23d. Severe north gales throughout group from 23d to 28th; 14th-21st, unusual north winds, low dewpoint, etc., probably great storm passed through North Pacific, in high latitudes.

TABLE V.—Mean temperature for each hour of seventy-fifth meridian time, March, 1896.

Table with 24 columns representing hours from 1 a.m. to Midnight and a Mean column. Rows list various stations such as Bismarck, N. Dak., Boston, Mass., Buffalo, N. Y., Chicago, Ill., Cincinnati, Ohio, Cleveland, Ohio, Detroit, Mich., Dodge City, Kans., Eastport, Me., Galveston, Tex., Havre, Mont., Kansas City, Mo., Key West, Fla., Memphis, Tenn., New Orleans, La., New York, N. Y., Philadelphia, Pa., Pittsburg, Pa., Portland, Oreg., St. Louis, Mo., St. Paul, Minn., Salt Lake City, Utah, San Diego, Cal., San Francisco, Cal., Savannah, Ga., and Washington, D. C.

\* For 25 days.

TABLE VI.—Mean pressure for each hour of seventy-fifth meridian time, March, 1896.

Table with 24 columns representing hours from 1 a.m. to Midnight and a Mean column. Rows list the same stations as Table V, showing mean pressure values for each hour.

TABLE VII.—Average wind movement for each hour of seventy-fifth meridian time, March, 1896.

Table with columns for Stations and hours from 1 a.m. to 11 p.m., plus Noon, Midnight, and Mean. Rows list various cities such as Abilene, Tex., Albany, N. Y., and others, with corresponding wind speed values.

TABLE VII.—Average wind movement, etc.—Continued.

Stations.	Hourly Wind Movement												Mean.												
	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	Noon.													
Philadelphia, Pa.	13.1	12.6	12.4	12.7	12.5	12.2	12.0	13.5	14.6	14.7	15.5	15.3	16.2	16.4	16.6	16.7	15.9	15.2	13.2	12.4	12.7	12.2	12.7	13.1	13.9
Phoenix, Ariz.	4.5	4.6	4.2	4.4	4.0	5.5	6.0	5.5	5.6	5.3	5.2	5.7	5.8	5.5	5.5	5.6	6.3	6.3	5.3	4.6	3.7	3.9	3.9	4.4	5.1
Pierre, S. Dak.	6.2	6.2	7.6	6.0	7.5	8.0	9.5	8.8	9.2	10.2	10.5	11.1	11.9	12.7	12.9	13.6	12.0	12.4	11.9	9.5	10.4	9.5	8.5	8.2	10.0
Pittsburg, Pa.	6.2	7.2	7.1	6.9	7.2	6.9	7.1	7.3	8.1	8.2	8.3	8.4	9.0	9.7	9.6	9.7	9.5	9.1	8.2	7.9	8.0	7.4	7.4	6.8	8.0
Port Angeles, Wash.	6.6	6.2	6.6	6.7	6.3	6.2	6.1	6.8	6.8	6.9	5.6	3.9	4.4	6.3	7.9	8.1	8.5	8.5	8.3	8.0	7.2	5.8	6.4	6.4	6.7
Port Huron, Mich.	11.7	11.2	11.4	12.0	12.0	11.9	12.1	12.3	14.5	15.4	15.3	14.9	16.0	17.0	16.5	16.4	16.1	14.5	13.0	11.9	11.6	11.9	12.0	11.4	13.5
Portland, Me.	10.2	9.9	10.0	9.6	9.4	9.8	10.2	11.0	11.5	11.6	11.8	12.5	13.1	13.3	13.6	13.4	12.3	12.1	11.1	11.4	10.5	10.7	10.6	10.5	11.3
Portland, Oreg.	9.0	9.2	9.7	9.7	8.5	8.8	9.0	8.6	8.3	8.7	9.7	10.2	10.7	10.2	10.6	11.7	13.0	12.8	12.4	11.7	10.9	10.3	9.3	9.0	10.0
Pueblo, Colo.	7.8	7.5	7.6	7.7	6.3	5.8	6.1	6.2	6.6	7.8	9.8	11.2	12.1	13.9	14.0	13.8	14.0	13.9	13.7	12.0	11.9	10.6	9.5	8.2	10.0
Raleigh, N. C.	8.0	9.5	8.3	7.5	7.4	7.5	7.1	8.9	10.0	10.5	10.4	10.5	10.4	10.8	10.8	10.7	10.4	8.5	6.4	7.4	7.5	8.0	8.2	8.0	8.8
Rapid City, S. Dak.	7.8	8.5	8.2	9.5	9.6	9.0	9.0	9.5	10.4	10.9	10.4	12.2	13.2	13.3	13.3	13.2	12.9	12.1	11.3	9.1	7.6	7.5	7.3	7.6	10.1
Red bluff, Cal.	6.8	6.9	7.0	6.7	7.0	6.7	6.4	6.2	6.4	5.9	6.1	6.8	8.2	8.5	8.4	8.5	8.8	8.7	8.4	8.0	7.2	6.8	6.5	6.1	7.2
Rochester, N. Y.	9.5	9.5	9.8	9.5	9.4	9.3	9.3	9.4	10.3	11.6	12.4	12.8	13.2	13.5	13.5	13.5	12.9	12.0	10.8	10.3	9.5	9.7	9.9	9.7	10.9
Roseburg, Oreg.	12.9	12.6	12.3	12.6	12.6	12.6	12.6	12.8	3.1	3.0	3.2	3.3	3.6	4.0	5.1	4.9	5.4	6.0	5.7	5.5	5.2	3.9	2.8	2.6	3.7
Sacramento, Cal.	9.7	9.3	8.7	9.5	9.4	8.9	8.6	8.9	8.9	9.0	9.0	9.7	11.0	11.0	11.3	11.4	11.0	10.4	10.2	10.4	9.1	8.1	8.5	9.2	9.6
St. Louis, Mo.	10.3	10.0	10.1	10.6	10.9	11.1	11.5	11.8	12.7	13.0	13.9	13.8	14.4	14.6	14.5	14.5	13.8	13.2	12.7	11.4	10.4	10.1	10.9	10.2	12.1
St. Paul, Minn.	5.2	8.1	7.6	8.2	8.3	9.0	7.6	7.7	8.1	9.1	9.2	10.0	10.9	11.2	11.7	11.9	11.3	11.3	11.1	9.4	9.2	8.8	9.0	9.0	9.3
Salt Lake City, Utah.	5.2	5.4	4.8	4.2	4.1	4.5	4.1	3.7	3.7	3.6	4.2	4.9	7.3	8.3	9.2	8.9	9.6	9.1	8.6	7.0	5.4	4.8	5.1	5.9	
San Antonio, Tex.	8.8	8.5	7.5	7.3	7.3	7.3	7.9	7.4	7.7	9.4	12.1	12.0	10.9	11.8	12.0	12.1	12.3	12.7	12.3	12.2	11.5	11.8	11.1	10.1	10.2
San Diego, Cal.	4.0	3.9	3.8	3.6	4.3	3.9	3.6	4.0	4.3	3.3	3.6	4.1	5.6	6.3	8.1	8.3	9.7	9.6	9.3	8.8	7.2	5.3	4.4	3.8	5.6
Sandusky, Ohio	10.6	9.9	10.0	9.6	9.6	9.5	9.5	9.6	10.5	10.8	11.4	11.4	11.5	11.8	12.0	12.2	11.8	11.7	11.0	10.2	10.3	10.4	10.4	10.4	10.7
San Francisco, Cal.	8.2	7.5	6.9	6.6	6.6	6.0	5.9	6.2	6.2	6.6	6.5	6.6	6.8	7.7	8.8	9.7	10.8	12.2	12.8	12.5	12.5	11.2	8.8	7.1	8.4
San Luis Obispo, Cal.	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
Santa Fe, N. Mex.	9.7	9.5	9.8	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
Sault Ste Marie, Mich.	8.0	9.0	7.3	7.3	7.3	7.0	6.4	6.2	6.5	7.7	8.2	9.6	11.2	12.8	13.9	14.1	13.5	12.2	10.8	10.1	9.8	9.2	8.9	8.5	9.4
Savannah, Ga.	9.5	8.3	8.1	7.5	7.4	7.3	7.5	7.6	9.0	9.5	9.9	9.6	11.2	11.8	11.7	12.2	13.2	13.2	10.1	8.7	8.8	8.8	9.0	9.5	9.7
Seattle, Wash.	4.9	5.1	5.3	5.0	4.9	4.5	4.9	5.6	4.9	4.5	5.0	5.4	5.7	5.9	7.2	8.0	8.1	8.5	8.4	8.0	6.6	6.0	5.7	5.2	6.0
Shreveport, La.	8.3	8.5	8.1	8.0	7.9	7.5	7.5	7.3	8.1	9.3	9.9	10.1	10.9	10.8	11.0	11.0	11.0	11.4	10.7	9.3	8.8	9.2	8.9	8.6	9.3
Sioux City, Iowa	10.4	11.0	11.1	10.9	10.3	10.9	10.6	11.3	11.6	13.3	14.0	13.2	13.6	16.3	17.2	17.2	17.6	17.5	16.0	14.6	13.6	12.4	11.8	11.7	13.4
Spokane, Wash.	6.3	6.5	6.4	6.2	6.3	5.7	6.3	6.5	6.4	6.2	7.0	8.0	8.3	9.8	10.1	9.7	10.2	10.0	9.0	8.7	8.1	7.4	7.1	6.0	7.6
Springfield, Ill.	9.2	9.3	10.2	10.2	10.5	9.8	9.9	10.3	11.9	12.7	13.0	13.3	13.5	13.9	13.9	14.0	13.2	11.6	11.0	9.1	9.1	9.2	9.2	9.2	11.1
Springfield, Mo.	11.3	11.5	11.5	11.3	11.8	12.0	11.7	11.7	11.6	12.6	13.2	13.2	13.9	13.8	14.5	14.3	14.4	14.2	13.2	10.5	9.6	9.8	11.5	11.5	12.1
Tampa, Fla.	4.6	4.8	4.8	5.9	5.6	6.1	6.4	6.7	7.3	9.0	8.6	8.8	8.7	9.3	9.5	9.4	9.9	9.0	7.5	6.6	5.5	5.0	4.8	4.7	7.0
Tatoosh Island, Wash.	14.5	14.8	15.1	14.1	14.4	14.5	14.6	15.7	15.7	15.5	16.1	16.4	16.1	14.9	15.6	15.8	15.6	15.8	15.0	14.6	15.1	15.9	15.3	15.1	15.3
Toledo, Ohio	10.1	10.0	9.8	9.7	9.5	9.5	10.3	10.3	11.6	11.9	12.7	13.3	13.8	14.2	14.0	13.9	13.1	12.4	11.5	10.3	10.5	10.5	10.5	10.3	11.4
Vicksburg, Miss.	9.5	9.1	8.6	8.7	8.8	9.1	9.7	9.1	9.5	10.0	10.1	10.1	10.2	9.3	9.6	9.8	9.9	10.0	9.3	8.5	8.8	9.1	9.7	9.9	9.4
Vineyard Haven, Mass.	11.5	11.2	11.1	11.2	11.6	12.0	11.8	12.6	13.0	14.0	14.0	14.9	14.9	14.7	14.6	14.5	14.5	13.4	12.1	11.7	11.6	11.3	11.0	10.7	12.7
Walla Walla, Wash.	5.2	5.4	5.5	5.4	5.2	5.6	5.6	5.5	5.5	5.5	6.1	7.3	7.9	8.2	8.9	8.9	8.5	8.0	7.9	7.3	6.5	6.8	7.0	6.6	6.7
Washington, D. C.	9.4	9.4	9.5	9.5	9.1	8.4	8.1	9.6	11.5	13.0	13.3	13.2	14.2	14.1	14.3	13.6	14.1	12.3	10.6	9.9	9.5	8.6	9.4	8.6	11.0
Wichita, Kans.	10.6	10.4	10.9	11.4	11.3	10.7	10.8	10.6	11.0	12.1	12.8	12.7	12.6	13.3	13.6	14.2	13.5	13.1	12.6	11.6	10.5	10.6	11.1	11.4	11.8
Williston, N. Dak.	6.7	8.3	7.6	7.3	8.8	9.1	9.1	9.1	8.8	8.8	9.1	10.2	11.2	12.0	12.8	13.0	12.7	11.4	10.4	10.4	8.5	7.5	7.1	6.6	9.5
Wilmington, N. C.	9.2	8.5	8.4	9.1	9.0	9.2	9.3	10.1	12.7	13.5	14.1	14.7	15.9	15.8	16.0	15.7	15.4	12.5	10.2	9.5	9.0	8.8	8.4	8.5	11.4
Winnemucca, Nev.	9.5	9.5	10.1	10.0	9.9	9.5	9.7	10.1	8.8	10.1	11.1	12.2	12.4	13.2	13.2	15.3	15.5	16.2	15.7	14.0	13.8	11.6	10.4	9.4	8.9
Woods Hole, Mass.	18.9	19.6	19.9	20.1	20.4	21.8	21.4	21.3	21.7	21.7	22.0	22.0	23.1	23.2	23.8	23.7	23.2	23.6	23.1	20.9	20.7	20.3	20.3	19.1	21.3
Yuma, Ariz.	6.3	6.5	5.9	7.0	6.8	6.0	6.2	5.9	5.4	5.7	6.3	8.3	9.2	9.9	9.5	9.6	9.6	10.1	9.9	10.0	8.5	7.7	7.3	7.1	7.7

TABLE VIII.—Heights of rivers above low-water mark, March, 1896.

Stations.	Distance to mouth of river.	Danger-point on gauge.	Highest water.		Lowest water.		Me'n stage.	Monthly range.	Stations.	Distance to mouth of river.	Danger-point on gauge.	Highest water.		Lowest water.		Me'n stage.	Monthly range.
			Height.	Date.	Height.	Date.						Height.	Date.	Height.	Date.		
<i>Mississippi River.</i>	Miles.	Feet.	Feet.		Feet.		Feet.	Feet.	<i>Big Sandy River.</i>	Miles.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.
St. Paul, Minn. <sup>1</sup>	2,057	14.0	0.7	31	— 0.9	19,20	— 0.3	1.6	Louisia, Ky.	26	33.4	31	4.3	7	11.1	29.1	
La Crosse, Wis. <sup>2</sup>	1,867	10.0							<i>Wabash River.</i>								
Dubuque, Iowa <sup>3</sup>	1,759	15.0							Mount Carmel, Ill.	50	15.0	9.5	31	4.5	6.7	6.2	5.0
Davenport, Iowa	1,653	15.0	2.0	1	0.5	20,21	1.1	1.5	<i>Cumberland River.</i>								
Keokuk, Iowa	1,523	14.0	4.0	1	0.0	17,22	1.1	4.0	Burnside, Ky.	404	50.0	37.3	17	2.0	1	12.0	35.3
Hannibal, Mo.	1,463	17.0	5.3	1	0.6	26,27	1.5	4.7	Nashville, Tenn.	145	40.0	35.2	22	4.5	5	17.4	30.7
St. Louis, Mo.	1,321	30.0	9.2	2	4.7	21	6.9	4.5	<i>Tennessee River.</i>								
Memphis, Tenn.	910	33.0	23.9	29	8.7	8,9	13.0	15.2	Knox								

TABLE IX.—Resultant winds from observations at 8 a. m. and 8 p. m., daily, during March, 1896.

Stations.	Component direction from—				Resultant.		Stations.	Component direction from—				Resultant.	
	N.	S.	E.	W.	Direction from—	Duration.		N.	S.	E.	W.	Direction from—	Duration.
<i>New England.</i>							<i>Upper Lake Region—Cont'd.</i>						
Eastport, Me.	Hours. 17	Hours. 11	Hours. 16	Hours. 26	n. 59 w.	12	Milwaukee, Wis.	Hours. 22	Hours. 18	Hours. 12	Hours. 23	n. 70 w.	12
Portland, Me.	25	15	3	33	n. 72 w.	32	Greenbay, Wis.	21	26	10	14	s. 39 w.	8
Northfield, Vt.	29	23	6	15	n. 56 w.	11	Duluth, Minn.	31	13	15	25	n. 29 w.	21
Boston, Mass.	23	13	8	33	n. 68 w.	27	<i>North Dakota.</i>						
Nantucket, Mass.	31	9	15	19	n. 10 w.	22	Moorhead, Minn.	28	21	6	12	n. 41 w.	9
Woods Hole, Mass.*	7	10	4	16	s. 76 w.	12	Bismarck, N. Dak.	31	15	14	15	n. 3 w.	16
Block Island, R. I.	28	12	12	32	n. 51 w.	26	Williston, N. Dak.	27	16	15	17	n. 10 w.	11
New Haven, Conn.	23	13	7	33	n. 69 w.	28	<i>Upper Mississippi Valley.</i>						
<i>Middle Atlantic States.</i>							St. Paul, Minn.	21	20	15	27	n. 85 w.	12
Albany, N. Y.	22	16	5	29	n. 76 w.	25	La Crosse, Wis.	9	14	5	7	s. 22 w.	5
New York, N. Y.	26	7	11	34	n. 50 w.	30	Davenport, Iowa	21	16	15	25	n. 63 w.	11
Harrisburg, Pa.	11	5	15	35	n. 73 w.	21	Des Moines, Iowa	29	17	12	21	n. 37 w.	15
Philadelphia, Pa.	27	14	10	28	n. 54 w.	22	Keokuk, Iowa.	26	19	15	17	n. 16 w.	7
Baltimore, Md.	24	15	12	25	n. 55 w.	16	Cairo, Ill.	28	17	16	13	n. 15 e.	11
Washington, D. C.	28	14	11	33	n. 41 w.	18	Springfield, Ill.	21	18	19	21	n. 34 w.	4
Lynchburg, Va.	23	17	11	31	n. 73 w.	21	Hannibal, Mo.	23	19	16	18	n. 27 w.	4
Norfolk, Va.	27	15	18	17	n. 5 e.	12	St. Louis, Mo.	28	15	17	17	n.	13
<i>South Atlantic States.</i>							<i>Missouri Valley.</i>						
Charlotte, N. C.	13	25	22	18	s. 18 e.	13	Columbia, Mo.*	12	9	8	11	n. 45 w.	4
Hatteras, N. C.	23	18	11	23	n. 67 w.	12	Kansas City, Mo.	26	17	21	15	n. 34 e.	11
Kittyhawk, N. C.	27	16	11	23	n. 47 w.	16	Springfield, Mo.	20	18	26	16	n. 79 e.	10
Raleigh, N. C.	21	19	9	25	n. 83 w.	16	Omaha, Nebr.	29	16	10	22	n. 43 w.	18
Wilmington, N. C.	18	18	14	28	w.	14	Sioux City, Iowa.	15	8	6	9	n. 23 w.	8
Charleston, S. C.	16	20	13	27	s. 74 w.	15	Pierre, S. Dak.	21	10	22	19	n. 15 e.	11
Augusta, Ga.	13	19	12	29	s. 71 w.	18	Huron, S. Dak.	25	15	15	22	n. 85 w.	12
Savannah, Ga.	16	20	14	21	s. 60 w.	8	<i>Northern Slope.</i>						
Jacksonville, Fla.	17	19	18	19	s. 27 w.	2	Havre, Mont.	16	14	17	28	n. 80 w.	11
<i>Florida Peninsula.</i>							Miles City, Mont.	33	9	14	18	n. 9 w.	24
Jupiter, Fla.	16	21	22	13	s. 61 e.	10	Helena, Mont.	16	18	4	36	s. 87 w.	32
Key West, Fla.	25	9	36	5	s. 63 e.	35	Rapid City, S. Dak.	22	16	16	22	n. 45 w.	8
Tampa, Fla.	26	14	12	23	n. 45 w.	16	Cheyenne, Wyo.	24	11	7	32	n. 63 w.	28
<i>Eastern Gulf States.</i>							Lander, Wyo.	12	27	14	25	s. 36 w.	19
Atlanta, Ga.	15	18	12	30	s. 81 w.	18	North Platte, Nebr.	23	16	15	25	n. 55 w.	12
Pensacola, Fla.	20	25	21	11	s. 63 e.	11	<i>Middle Slope.</i>						
Mobile, Ala.	21	27	15	10	s. 40 e.	8	Denver, Colo.	19	24	11	22	s. 66 w.	12
Montgomery, Ala.	22	30	22	14	n. 76 e.	8	Pueblo, Colo.	28	14	17	21	n. 16 w.	15
Meridian, Miss.	23	27	15	8	s. 60 e.	8	Concordia, Kans.	26	15	16	16	n.	11
Vicksburg, Miss.	17	25	26	9	s. 65 e.	19	Dodge City, Kans.	31	13	20	11	n. 27 e.	20
New Orleans, La.	20	24	23	9	s. 74 e.	15	Wichita, Kans.	30	19	18	8	n. 42 e.	15
<i>Western Gulf States.</i>							Oklahoma, Okla.	26	24	13	8	n. 68 e.	5
Shreveport, La.	19	27	21	11	s. 51 e.	13	<i>Southern Slope.</i>						
Fort Smith, Ark.	23	9	29	10	n. 54 e.	24	Abilene, Tex.	25	24	9	17	n. 83 w.	8
Little Rock, Ark.	25	17	19	12	n. 41 e.	11	Amarillo, Tex.	20	22	9	19	s. 79 w.	10
Corpus Christi, Tex.	18	25	34	3	s. 77 e.	32	<i>Southern Plateau.</i>						
Galveston, Tex.	10	37	24	7	s. 34 e.	32	Elpaso, Tex.	20	10	13	35	n. 66 w.	24
Palestine, Tex.	16	29	18	16	s. 9 e.	13	Santa Fe, N. Mex.	24	18	13	25	n. 63 w.	13
San Antonio, Tex.	22	18	31	3	n. 82 e.	28	Phoenix, Ariz.	7	26	8	33	s. 53 w.	31
<i>Ohio Valley and Tennessee.</i>							Yuma, Ariz.	24	8	14	29	n. 43 w.	22
Chattanooga, Tenn.	22	20	14	18	n. 63 w.	4	<i>Middle Plateau.</i>						
Knoxville, Tenn.	27	3	22	24	n. 5 w.	24	Carson City, Nev.	12	25	13	22	s. 35 w.	16
Memphis, Tenn.	26	16	25	14	n. 48 e.	15	Winnemucca, Nev.	18	17	12	29	n. 87 w.	17
Nashville, Tenn.	26	13	18	22	n. 17 w.	14	Salt Lake City, Utah.	30	15	16	23	n. 74 w.	7
Lexington, Ky.	16	19	17	24	s. 67 w.	8	<i>Northern Plateau.</i>						
Louisville, Ky.	20	18	14	21	n. 74 w.	7	Baker City, Oreg.	19	29	14	17	s. 17 w.	10
Indianapolis, Ind.	26	12	19	23	n. 16 w.	15	Idaho Falls, Idaho.	15	37	4	13	s. 22 w.	24
Cincinnati, Ohio	27	14	15	21	n. 25 w.	14	Spokane, Wash.	12	26	17	22	s. 20 w.	15
Columbus, Ohio.	18	14	18	23	n. 51 w.	6	Walla Walla, Wash.	8	36	8	17	s. 18 w.	29
Pittsburg, Pa.	30	16	12	30	n. 77 w.	18	<i>North Pacific Coast Region.</i>						
Parkersburg, W. Va.	17	13	19	23	n. 45 w.	6	Fort Canby, Wash.	20	9	19	17	n. 10 e.	11
<i>Lower Lake Region.</i>							Port Angeles, Wash.	10	27	15	18	s. 10 w.	17
Buffalo, N. Y.	20	10	14	31	n. 60 w.	20	Seattle, Wash.	17	27	19	15	s. 22 e.	11
Oswego, N. Y.	18	21	13	26	s. 77 w.	13	Tatoosh Island, Wash.	9	12	30	21	s. 72 e.	10
Rochester, N. Y.	13	17	11	37	s. 81 w.	26	Portland, Oreg.	24	21	14	22	n. 69 w.	8
Erie, Pa.	19	18	12	27	n. 86 w.	15	Roseburg, Oreg.	16	18	16	27	s. 80 w.	11
Cleveland, Ohio.	21	18	19	23	n. 53 w.	5	<i>Middle Pacific Coast Region.</i>						
Sandusky, Ohio.	23	14	19	20	n. 6 w.	9	Eureka, Cal.	24	20	18	19	n. 14 w.	4
Toledo, Ohio.	17	11	18	28	n. 59 w.	12	Redbluff, Cal.	20	23	14	20	s. 63 w.	7
Detroit, Mich.	23	13	19	25	n. 31 w.	12	Sacramento, Cal.	14	30	9	25	s. 45 w.	23
<i>Upper Lake Region.</i>							San Francisco, Cal.	12	13	7	38	s. 88 w.	31
Alpena, Mich.	24	15	12	29	n. 62 w.	19	<i>South Pacific Coast Region.</i>						
Grand Haven, Mich.	22	16	23	16	n. 49 e.	9	Fresno, Cal.	22	6	13	34	n. 53 w.	26
Marquette, Mich.	28	15	8	30	n. 60 w.	26	Los Angeles, Cal.	22	7	18	26	n. 28 w.	17
Port Huron, Mich.	24	20	11	30	n. 66 w.	10	San Diego, Cal.	23	6	14	31	n. 45 w.	24
Sault Ste. Marie, Mich.	21	16	16	27	n. 66 w.	12	San Luis Obispo, Cal.	28	12	6	25	n. 50 w.	25
Chicago, Ill.	19	23	13	18	s. 51 w.	6							

\* From observations at 8 p. m. only.



TABLE XI.—Hourly sunshine as deduced from sunshine recorders, March, 1896.

Stations.	Instrument.	Percentages for each hour of local mean time ending with the respective hour.																Monthly summary.			
		A. M.								P. M.								Instrumental record.			
		5	6	7	8	9	10	11	Noon	1	2	3	4	5	6	7	8	Actual.	Possible.	Per cent of possible.	Personal estimate.
Atlanta, Ga.	T.	30	29	47	65	69	77	82	81	86	86	73	49	35	15	.....	Hours.	Hours.	65	43	
Baltimore, Md.	T.	8	22	31	43	55	57	60	67	68	62	50	51	42	35	.....	240.8	372.3	52	49	
Bismarck, N. Dak.	P.	19	39	47	50	65	68	68	57	56	50	40	41	24	17	.....	191.5	371.4	50	44	
Boston, Mass.	T.	54	52	51	56	64	60	63	65	63	61	52	46	40	48	.....	208.1	370.8	56	45	
Buffalo, N. Y.	T.	21	17	25	44	54	67	67	68	70	68	64	46	37	32	.....	195.2	370.9	53	36	
Chicago, Ill.	T.	69	41	46	62	71	79	83	84	86	70	66	53	34	26	.....	239.6	370.8	65	54	
Cincinnati, Ohio	T.	33	45	47	46	51	55	57	60	62	50	42	42	40	26	.....	183.7	371.4	40	41	
Cleveland, Ohio	P.	23	33	35	46	55	57	53	49	45	48	38	20	12	17	.....	154.1	370.8	42	32	
Columbus, Ohio	T.	33	31	33	49	55	60	74	72	57	56	51	33	20	13	.....	182.2	371.2	49	37	
Denver, Colo.	P.	58	43	67	76	81	85	81	75	73	65	61	51	29	33	.....	213.2	371.2	66	43	
Des Moines, Iowa	T.	69	54	41	41	46	49	51	48	53	56	58	56	55	63	.....	188.5	370.8	51	36	
Detroit, Mich.	T.	85	55	52	57	69	69	70	71	69	64	50	33	31	39	.....	213.2	370.8	57	50	
Dodge City, Kans.	P.	67	64	75	80	82	77	74	69	71	68	69	65	44	28	.....	258.1	371.4	69	57	
Eastport, Me.	P.	31	39	40	45	47	51	51	45	44	44	46	52	48	57	.....	171.3	370.7	46	32	
Eureka, Cal.	P.	42	16	31	45	53	52	58	62	57	53	51	35	27	28	.....	167.9	371.2	45	44	
Galveston, Tex.	P.	14	22	34	48	58	59	55	62	63	65	55	58	26	10	.....	187.2	372.6	50	46	
Helena, Mont.	P.	44	31	35	46	49	59	56	58	58	60	55	51	48	42	.....	187.5	370.3	51	50	
Kansas City, Mo.	P.	58	50	44	46	51	59	56	56	56	56	58	48	50	70	.....	196.1	371.4	53	47	
Little Rock, Ark.	T.	10	25	29	38	51	55	59	60	65	59	54	55	35	32	.....	177.3	372.1	48	33	
Louisville, Ky.	T.	25	37	36	43	62	62	60	65	70	65	62	51	48	48	.....	202.4	371.4	54	39	
New Orleans, La.	T.	0	25	28	36	48	57	59	60	65	68	58	54	26	17	.....	180.7	372.5	49	45	
New York, N. Y.	T.	33	35	39	49	56	56	59	58	62	63	64	63	54	37	.....	203.5	371.2	55	47	
Northfield, Vt.	P.	47	33	35	43	44	53	46	36	39	41	41	35	30	50	.....	148.7	370.7	40	32	
Philadelphia, Pa.	T.	58	61	54	54	61	63	71	71	72	73	71	64	56	30	.....	236.7	371.2	64	49	
Phoenix, Ariz.	P.	67	79	75	77	85	85	85	81	78	74	76	64	49	45	.....	280.6	372.3	75	53	
Portland, Me.	T.	40	39	48	51	52	58	64	62	69	69	62	55	43	38	.....	204.7	370.7	55	43	
Portland, Oreg.	T.	19	22	27	35	44	44	53	55	64	57	46	46	43	33	.....	158.6	370.3	43	44	
Do	P.	19	22	21	27	42	46	51	50	58	59	51	52	43	33	.....	161.2	370.3	44	44	
Rochester, N. Y.	T.	64	36	36	46	57	66	67	71	74	73	61	53	49	53	.....	214.7	370.9	58	49	
St. Louis, Mo.	T.	17	39	41	56	64	75	80	86	80	67	49	36	31	32	.....	217.2	371.4	58	48	
Salt Lake City, Utah	P.	8	33	34	49	55	53	51	49	52	50	58	57	39	17	.....	178.6	371.2	48	36	
San Diego, Cal.	T.	67	46	53	60	67	79	72	73	68	73	75	65	70	79	.....	252.3	372.3	68	52	
San Francisco, Cal.	P.	0	6	24	39	49	65	71	76	70	78	67	45	13	24	.....	188.1	371.4	51	46	
Santa Fe, N. Mex.	P.	27	53	67	75	71	72	69	76	70	69	68	65	55	38	.....	256.6	371.9	67	55	
Savannah, Ga.	P.	33	43	53	65	72	75	73	75	77	82	78	74	66	57	.....	258.4	372.1	69	58	
Vicksburg, Miss.	T.	22	41	41	45	53	66	72	69	65	66	61	57	47	39	.....	211.4	372.1	57	51	
Washington, D. C.	P.	42	39	45	61	60	54	60	66	71	61	65	53	48	43	.....	212.2	371.4	57	57	
Wilmington, N. C.	T.	30	47	57	71	78	86	92	87	89	83	82	63	39	30	.....	269.8	372.3	72	61	

TABLE XII.—Maximum rainfall in one hour or less, March, 1896.

Stations.	Maximum rainfall in—					
	5 min.	Date.	10 min.	Date.	1 hour.	Date.
Atlanta, Ga.	Inch.	6	Inch.	6	Inch.	6.18
Baltimore	0.10	19	0.14	19	0.26	19
Bismarck, N. Dak.*	0.04	19, 29	0.07	19	0.21	29
Boston, Mass.	0.03	29	0.05	29	0.21	29
Buffalo, N. Y.*	0.04	28	0.05	28	0.12	28
Chicago, Ill.	0.05	29	0.06	29	0.21	29
Cincinnati, Ohio	0.05	6	0.07	6	0.29	6
Cleveland, Ohio	0.01	31	0.02	31	0.09	31
Denver, Colo.	0.04	28	0.07	28	0.25	28
Detroit, Mich.	0.01	31	0.02	31	0.15	31
Dodge City, Kans.	0.01	19	0.03	19	0.08	19
Duluth, Minn.	0.20	15	0.30	15	1.00	15
Eastport, Me.	0.10	28	0.12	28	0.25	28
Galveston, Tex.	0.52	11	0.08	11	1.01	11
Indianapolis, Ind.	0.24	10	0.39	10	0.60	10
Jacksonville, Fla.	0.05	28	0.07	28	0.17	28
Jupiter, Fla.	0.15	19	0.26	16	0.51	16
Kansas City, Mo.	0.07	5	0.11	23	0.36	23
Key West, Fla.	0.18	29	0.24	29	0.35	29
Little Rock, Ark.	0.05	4	0.09	4	0.27	4
Louisville, Ky.						
Marquet, Mich.*						
Memphis, Tenn.						

TABLE XII.—Maximum rainfall—Continued.

Stations.	Maximum rainfall in—					
	5 min.	Date.	10 min.	Date.	1 hour.	Date.
Milwaukee, Wis.*	Inch.		Inch.		Inch.	
Nantucket, Mass.	0.06	29	0.10	29	0.33	16
Nashville, Tenn.	0.15	5	0.20	5	0.47	5
New Orleans, La.	0.40	18	0.62	18	1.55	18
New York, N. Y.*						
Norfolk, Va.	0.04	16, 29	0.08	16	0.25	29
Omaha, Nebr.*						
Philadelphia, Pa.	0.05	29	0.10	29	0.25	29
Pittsburg, Pa.*						
Portland, Me.*						
Portland, Oreg.	0.04	24	0.07	24	0.16	24
Rochester, N. Y.	0.04	7	0.06	7	0.33	7
St. Louis, Mo.	0.12	29	0.18	29	0.32	29
St. Paul, Minn.	0.10	27	0.15	27	0.27	27
Salt Lake City, Utah			0.01	28	0.05	27
San Diego, Cal.	0.10	28	0.15	28	0.66	28
San Francisco, Cal.	0.04	16	0.06	16	0.20	16
Savannah, Ga.	0.19	10	0.28	10	0.89	10
Seattle, Wash.	0.03	20	0.08	20	0.18	20
Vicksburg, Miss.	0.07	23	0.10	23	0.40	23
Washington, D. C.	0.24	19	0.40	19	0.43	19
Wilmington, N. C.	0.12	11	0.20	11	0.44	11

\* Record incomplete on account of snow and other causes.

TABLE XIII.—Excessive precipitation, by stations, for March, 1896.

Stations.	Monthly rainfall 10 inches, or more.	Rainfall 2.50 inches, or more, in 24 hours.		Rainfall of 1 inch, or more, in one hour.		
		Amt.	Day.	Amt.	Time.	Day.
<i>Alabama.</i>						
Brewton	Inches.	Inches.		In.	h. m.	
Daphne	10.05	4.50	10			
Evergreen		7.80	10			
Mobile		2.89	10-11			
Mount Willing		5.54	10-11			
Newton		2.65	6			
		2.99	10-11			
<i>Arkansas.</i>						
Arkansas City		2.50	6			
Conway		3.85	30-31			
Corning		2.74	30			
Forrest		3.20	3-4			
Pocahontas		3.16	30-31			
Russellville		2.90	14			
Witts Springs		2.64	31			
<i>California.</i>						
Azusa		4.25	2			
Bear Valley	14.47	2.65	26			
Bowmans Dam	14.95					
Delta	11.81					
Descanso		6.58	3-4			
Drytown		2.70	3			
Dunsmuir	10.23					
Georgetown	11.28	4.15	26-27			
Glendora		3.30	2			
Iowa Hill	10.93	4.97	25-27			
LaPorte	16.20	2.76	26			
Malakoff Mine	10.20					
Mount Lowe		2.70	3			
Mutah Flat		4.25	2-3			
Nordhoff		2.68	3			
Pilot Creek	13.07	5.62	25-26			
Placerville	11.11					
Sneddens Ranch		4.00	2			
Summerdale		2.92	26			
Tecarte Dam		2.63	3			
Towles	14.05					
<i>Florida.</i>						
Jacksonville				1.01	1 00	11
Milton	10.57	8.00	10			
Pensacola		5.08	10-11			
Tallahassee		3.24	10			
<i>Georgia.</i>						
Albany		3.00	10-11			
Blakely		3.75	10			
Port Gaines		3.11	10-11			
Morgan		3.64	10			
Poulan		3.08	10-11			
Thomasville		3.33	10-11			
<i>Illinois.</i>						
Herrins Prairie				1.00	1 00	29
<i>Kentucky.</i>						
Alpha		2.85	31			
Franklin		3.62	30-31			
Greendale		3.22	11			
Marrowbone		2.83	30-31			
Fryorsburg		3.25	30			
Russellville		2.62	30-31			
<i>Louisiana.</i>						
Amite		4.80	10-11			
Hammond		3.85	10-11			
Melville		4.00	10	4.00	2 00	10
New Orleans				1.09	1 00	10
Do				1.55	1 00	18
Port Eads				2.27	2 00	18
<i>Maine.</i>						
Cornish		3.59	*			
Farmington	10.83	3.50	*			
Lewistown	10.10	4.36	*			
North Bridgeton	10.70	4.32	1			
Portland		3.50	*			

TABLE XIII.—Excessive precipitation—Continued.

Stations.	Monthly rainfall 10 inches, or more.	Rainfall 2.50 inches, or more, in 24 hours.		Rainfall of 1 inch, or more, in one hour.		
		Amt.	Day.	Amt.	Time.	Day.
<i>Maryland.</i>						
Bachmans Valley		2.80	19			
<i>Massachusetts.</i>						
Leeds	11.45	4.02	19-20			
Mount Nonotuck		2.65	19			
Springfield Armory		2.59	19-20			
Worcester		3.60	1-2			
<i>Minnesota.</i>						
Dawson		2.50	31			
New London		3.98	31			
<i>Mississippi.</i>						
Brookhaven		2.50	6			
Enterprise		2.60	10			
Magnolia		3.18	10			
Mossport		5.85	10-11			
Water Valley		2.55	6			
Woodville		4.75	10-11			
<i>Missouri.</i>						
New Madrid		4.47	30-31			
<i>Nebraska.</i>						
Cook		2.78	27			
<i>New Hampshire.</i>						
Berlin Mills		2.55	1			
Dublin		2.60	19-20			
Hanover		4.10	19-20			
North Conway	11.86	6.70	+			
<i>New Jersey.</i>						
Charlotteburg		3.00	18-19			
Chester		2.60	19			
Dover		2.73	19			
Franklin Furnace		2.65	19			
<i>New York.</i>						
Middletown		2.60	*			
Mohok Lake		4.70	*			
Westpoint	11.07	3.80	*			
Do	12.02	3.70	19-20			
<i>Oregon.</i>						
Lorella		5.25	26-27			
Salmon	13.93					
<i>Pennsylvania.</i>						
Blooming Grove		3.37	19			
East Match Chunk		3.40	20			
Honesdale		2.50	19			
<i>South Carolina.</i>						
Charleston		2.80	10-11			
<i>South Dakota.</i>						
Alexandria		2.50	30-31			
Gary		2.68	30-31			
Ipswich		5.75	4-5			
<i>Tennessee.</i>						
Clarksville		2.81	30-31			
McMinnville	10.48					
Savannah		3.16	5-6			
Trenton		2.75	30-31			
Union City		3.18	30-31			
<i>Texas.</i>						
Angleton		2.85	15			
Brazoria		2.76	15			
Fredericksburg				1.04	1 00	31
Galveston				1.00	1 00	15
Houston		2.83	16			
Stafford		4.20	15			
Victoria		3.10	15			
<i>Virginia.</i>						
Bigstone Gap	12.73					
Grahams Forge		2.94	29			

\* February 29—March 1. + February 29—March 2.

